ENTERED

#9

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/924,102

DATE: 05/23/2002
TIME: 17:27:02

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF3\05232002\I924102.raw

```
 3 <110> APPLICANT: KORNBLUTH, SALLY A
 4         HOLLEY, CHRISTOPHER
 6 <120> TITLE OF INVENTION: REAPER PROTEIN
 8 <130> FILE REFERENCE: 1579-470
10 <140> CURRENT APPLICATION NUMBER: 09/924,102
11 <141> CURRENT FILING DATE: 2001-08-08
13 <150> PRIOR APPLICATION NUMBER: 60/223,699
14 <151> PRIOR FILING DATE: 2000-08-08
16 <160> NUMBER OF SEQ ID NOS: 14
18 <170> SOFTWARE: PatentIn Ver. 2.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 65
23 <212> TYPE: PRT
24 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: Description of Artificial Sequence: Drosophila Reaper
29 <400> SEQUENCE: 1
30 Met Ala Val Ala Phe Tyr Ile Pro Asp Gln Ala Thr Leu Leu Arg Glu
31  1               5                  10                  15
33 Ala Glu Gln Lys Glu Gln Gln Ile Leu Arg Leu Arg Glu Ser Gln Trp
34              20                  25                  30
36 Arg Phe Leu Ala Thr Val Val Leu Glu Thr Leu Arg Gln Tyr Thr Ser
37          35                  40                  45
39 Cys His Pro Lys Thr Gly Arg Lys Ser Gly Lys Tyr Arg Lys Pro Ser
40      50                  55                  60
42 Gln
43  65
46 <210> SEQ ID NO: 2
47 <211> LENGTH: 81
48 <212> TYPE: PRT
49 <213> ORGANISM: Artificial Sequence
51 <220> FEATURE:
52 <223> OTHER INFORMATION: Description of Artificial Sequence: human Reaper
54 <400> SEQUENCE: 2
55 Met Leu Leu Ser Thr His Leu Phe Ile Tyr Leu Phe Ile Tyr Phe Leu
56  1               5                  10                  15
58 Ser Tyr Ser Leu Gly Asp Arg Ala Arg Leu Cys Leu Arg Lys Thr Lys
59              20                  25                  30
61 Gln Gln Gln Lys Glu Gln Gln Ile Leu Arg Gln Ser Glu Val Leu Phe
62              35                  40                  45
64 Arg Ser Glu Thr Leu Arg Lys Thr Gly Lys Lys Gly Arg Arg Trp Gly
65      50                  55                  60
67 Gly Gln Gly Gly Arg Gly Gly Thr Ala Asp Thr Gly Gly Met Phe Leu
```

RAW SEQUENCE LISTING   DATE: 05/23/2002
PATENT APPLICATION: US/09/924,102   TIME: 17:27:02

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF3\05232002\I924102.raw

```
 68  65                 70                 75                 80
 70 Ser
 74 <210> SEQ ID NO: 3
 75 <211> LENGTH: 75
 76 <212> TYPE: PRT
 77 <213> ORGANISM: Artificial Sequence
 79 <220> FEATURE:
 80 <223> OTHER INFORMATION: Description of Artificial Sequence: human Reaper
 82 <400> SEQUENCE: 3
 83 Met Val Leu Arg Gly Pro Ala Pro Leu Glu Leu Ile Leu Gln Pro Cys
 84  1               5                  10                  15
 86 Trp Ala Gln Val Gly Arg Ala Gly Val Ala Arg Gly Ala Thr His Cys
 87             20                  25                  30
 89 Val Pro Ser Pro Ser His Cys Ala Ser Asp His Asn Pro Ser His Leu
 90          35                  40                  45
 92 Leu Ala Thr Asp Leu Pro Ser Val Ser Phe Ile Leu Tyr Phe Ile Thr
 93      50                  55                  60
 95 Asn Ile Ser Thr Gln Thr Cys Cys Thr Phe Ser
 96  65                 70                 75
 99 <210> SEQ ID NO: 4
100 <211> LENGTH: 246
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Description of Artificial Sequence: human Reaper encoding
sequence
107 <400> SEQUENCE: 4
108 atgctgctgt cgactcattt atttatttac ttatttattt attttttgag ttacagcctg 60
109 ggcgacagag ctagactctg tctcagaaaa acaaaacaac aacaaaaaga aaaacagatt 120
110 ctaaggcaaa gtgaagtttt attcaggagt gaaactttaa ggaagacagg gaaaaaggga 180
111 aggcggtggg gggggcaggg gggcagggga gggacagcag atacaggcgg tatgttccta 240
112 agctga                                                          246
115 <210> SEQ ID NO: 5
116 <211> LENGTH: 20
117 <212> TYPE: PRT
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Description of Artificial Sequence: human Reaper
123 <400> SEQUENCE: 5
124 Lys Glu Lys Gln Ile Leu Arg Gln Ser Glu Val Leu Phe Arg Ser Glu
125  1               5                  10                  15
127 Thr Leu Arg Lys
128             20
131 <210> SEQ ID NO: 6
132 <211> LENGTH: 23
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
139 <400> SEQUENCE: 6
```

RAW SEQUENCE LISTING   DATE: 05/23/2002
PATENT APPLICATION: US/09/924,102   TIME: 17:27:02

                Input Set : A:\Sequence Listing.txt
                Output Set: N:\CRF3\05232002\I924102.raw

```
140 tccctctgtg ctaactcctt tgg                                    23
143 <210> SEQ ID NO: 7
144 <211> LENGTH: 33
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
151 <400> SEQUENCE: 7
152 ccccaagctt accttccctt tttccctgtc ttc                         33
155 <210> SEQ ID NO: 8
156 <211> LENGTH: 29
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
163 <400> SEQUENCE: 8
164 gcgcatccat gggcgacaga gctagactc                              29
167 <210> SEQ ID NO: 9
168 <211> LENGTH: 30
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
175 <400> SEQUENCE: 9
176 ccaccctgta cttcagataa taagcaaccc                             30
179 <210> SEQ ID NO: 10
180 <211> LENGTH: 22
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
187 <400> SEQUENCE: 10
188 tgggccctct gggaaggctg tg                                     22
191 <210> SEQ ID NO: .11
192 <211> LENGTH: 30
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
199 <400> SEQUENCE: 11
200 ggaattctga tgctgctgtc gactcattta                             30
203 <210> SEQ ID NO: 12
204 <211> LENGTH: 33
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
211 <400> SEQUENCE: 12
212 ccgaagcttg ccatggtgct gcgtggccca gcc                         33
```

RAW SEQUENCE LISTING   DATE: 05/23/2002
PATENT APPLICATION: US/09/924,102   TIME: 17:27:02

Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF3\05232002\I924102.raw**

```
215 <210> SEQ ID NO: 13
216 <211> LENGTH: 35
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
223 <400> SEQUENCE: 13
224 tgaattctta ggagaaagtg cagcatgtct gggtg                        35
227 <210> SEQ ID NO: 14
228 <211> LENGTH: 36
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
235 <400> SEQUENCE: 14
236 aggaagcttg ccatggtgct gtcgactcat ttattt                       36
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/924,102

DATE: 05/23/2002
TIME: 17:27:03

Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF3\05232002\I924102.raw**